

**Figure 8**

<i>Serpin</i>	<b>Sequences</b>	<i>P6</i>	<i>P5</i>	<i>P4</i>	<i>P3</i>	<i>P2</i>	<b><i>P1</i></b>	<i>P'1</i>	<i>P'2</i>	<i>P'3</i>	<i>P'4</i>	<i>P'5</i>
<b>ACT<sub>WT</sub></b>	Protein (a.a)	V	K	I	T	L	L*	S	A	L	V	E
	SEQ ID N° 15											
	DNA (codon)	GTC	AAA	ATC	ACC	CTC	CTT	TCT	GCA	TTA	GTG	GAG
	SEQ ID NO: 69											
<b>MD820</b>	Protein (a.a)	V	K	I	T	L	<u>R</u> *	S	<u>R</u>	<u>A</u>	V	E
	SEQ ID N° 16											
	DNA (codon)	GTC	AAA	ATC	ACC	CTC	<u>CGT</u>	TCT	<u>CGA</u>	<u>GCA</u>	GTG	GAG
	SEQ ID NO: 70											
<b>MD62</b>	Protein (a.a)	V	K	I	T	<u>R</u>	<u>R</u> *	S	<u>I</u>	<u>D</u>	V	E
	SEQ ID N° 17											
	DNA (codon)	GTC	AAA	ATC	ACC	<u>AGG</u>	<u>AGG</u>	TCT	<u>ATC</u>	<u>GAT</u>	GTG	GAG
	SEQ ID NO: 71											
<b>MD83</b>	Protein (a.a)	V	K	I	<u>R</u>	<u>G</u>	<u>R</u> *	S	<u>E</u>	L	V	E
	SEQ ID N° 18											
	DNA (codon)	GTC	AAA	ATC	<u>AGG</u>	<u>GGG</u>	<u>AGA</u>	TCT	<u>GAG</u>	TTA	GTG	GAG
	SEQ ID NO: 72											
<b>MD67</b>	Protein (a.a)	V	K	I	<u>K</u>	L	<u>R</u> *	<u>I</u>	<u>I</u>	L	V	E
	SEQ ID N° 19											
	DNA (codon)	GTC	AAA	ATC	<u>AAG</u>	<u>CTT</u>	<u>AGA</u>	<u>ACA</u>	<u>ACA</u>	TTA	GTG	GAG
	SEQ ID NO: 73											
<b>MD61</b>	Protein (a.a)	V	K	I	<u>M</u>	<u>I</u>	<u>R</u> *	S	<u>N</u>	<u>A</u>	V	E
	SEQ ID N° 20											
	DNA (codon)	GTC	AAA	ATC	<u>ATG</u>	<u>ACA</u>	<u>AGA</u>	TCT	<u>AAC</u>	<u>GCA</u>	GTG	GAG
	SEQ ID NO: 74											
<b>MD518</b>	Protein (a.a)	V	K	I	T	<u>E</u>	<u>R</u> *	<u>V</u>	<u>S</u>	<u>P</u>	V	E
	SEQ ID N° 21											
	DNA (codon)	GTC	AAA	ATC	ACC	<u>GAG</u>	<u>CGT</u>	<u>GTC</u>	<u>TCG</u>	<u>CCC</u>	GTG	GAG
	SEQ ID NO: 75											
<b>MDCI</b>	Protein (a.a)	V	K	I	T	<u>F</u>	<u>R</u> *	S	A	L	V	E
	SEQ ID N° 22											
	DNA (codon)	GTC	AAA	ATC	ACC	<u>TTT</u>	<u>AGA</u>	TCT	GCA	TTA	GTG	GAG
	SEQ ID NO: 76											

**ANNOTATED VERSION**

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